

**METHOD FOR DETERMINING THE AMOUNT OF CHARGE
WHICH CAN BE DRAWN ON A STORAGE BATTERY, AND
MONITORING DEVICE FOR A STORAGE BATTERY**

ABSTRACT

5 A method for determining the amount of charge which can be drawn from a
storage battery includes determining a battery voltage and current profile
over at least one time interval; smoothing the battery voltage profile and
the battery current profile using at least two different smoothing
measures; and determining voltage and current differences between battery
10 current and voltage profiles smoothed using a second and third smoothing
measure, with the third smoothing measure producing greater smoothing
than the second smoothing measure. The method further includes
calculating characteristic values from quotients of the voltage differences
and the current differences; utilizing the characteristic values for a time
15 interval to determine an interval characteristic value; and determining the
amount of charge which can be drawn from the storage battery from at
least one interval characteristic value for at least one time interval. A
monitoring device may be provided for carrying out the method.